

Table 1. Linked NCHS-CMS Medicare Data - Sample Sizes and Percentage Linked, by Survey and Age¹: NHIS and LSOA II

	Sample size			Percent linked	
	Total Sample ²	Eligible for Linkage ^{3 4}	Linked to 1999-2013 Medicare Administrative Data ⁵	Total Sample ⁶	Eligible Sample ⁷
NHIS 2013	47,417	41,169	5,409	11.4%	13.1%
<65	39,441	34,229	1,071	2.7%	3.1%
>=65	7,976	6,940	4,338	54.4%	62.5%
NHIS 2012	47,800	41,884	5,861	12.3%	14.0%
<65	39,634	34,740	1,162	2.9%	3.3%
>=65	8,166	7,144	4,699	57.5%	65.8%
NHIS 2011	45,864	40,503	5,851	12.8%	14.4%
<65	37,710	33,344	1,042	2.8%	3.1%
>=65	8,154	7,159	4,809	59.0%	67.2%
NHIS 2010	38,434	33,791	4,575	11.9%	13.5%
<65	31,520	27,690	790	2.5%	2.9%
>=65	6,914	6,101	3,785	54.7%	62.0%
NHIS 2009	38,887	33,073	5,116	13.2%	15.5%
<65	31,635	26,890	887	2.8%	3.3%
>=65	7,252	6,183	4,229	58.3%	68.4%
NHIS 2008	30,596	24,732	3,736	12.2%	15.1%
<65	24,487	19,764	618	2.5%	3.1%
>=65	6,109	4,968	3,118	51.0%	62.8%
NHIS 2007	32,810	21,679	3,556	10.8%	16.4%
<65	26,120	17,250	594	2.3%	3.4%
>=65	6,690	4,429	2,962	44.3%	66.9%
NHIS 2006	75,716	46,719	3,762	5.0%	8.1%
<65	62,015	39,415	653	1.1%	1.7%
>=65	13,701	7,304	3,109	22.7%	42.6%
NHIS 2005	98,649	58,925	9,995	10.1%	17.0%
<65	79,425	48,767	1,619	2.0%	3.3%
>=65	19,224	10,158	8,376	43.6%	82.5%
NHIS 2004	94,460	59,327	10,650	11.3%	18.0%
<65	75,517	48,460	1,649	2.2%	3.4%
>=65	18,943	10,867	9,001	47.5%	82.8%
NHIS 2003	92,148	65,172	11,251	12.2%	17.3%
<65	72,854	53,290	1,700	2.3%	3.2%
>=65	19,294	11,882	9,551	49.5%	80.4%

¹Age is based on the survey participant's assumed age at the end of the linkage interval (December 31, 2013).

²For 2007-2013 NHIS, only Sample Adult and Sample Child participants are included in the NCHS-CMS Medicare linkage.

³Eligibility for linkage is based upon having sufficient personally identifiable information and/or not refusing to provide Social Security (SSN) or

⁴For 2007-2013 NHIS, refusal for data linkage is defined as not providing the last four digits of the SSN and a response of "No" to the follow up

⁵This group includes linkage-eligible survey participants who linked to Medicare administrative records at any time during the linkage interval

⁶This percentage is calculated by dividing the number of linked survey participants by the number of participants in the total sample.

⁷This percentage is calculated by dividing the number of linked survey participants by the total number of linkage-eligible participants.

Table 1. Linked NCHS-CMS Medicare Data - Sample Sizes and Percentage Linked, by Survey and Age¹: NHIS and LSOA II (continued)

	Sample size			Percent linked	
	Total Sample ²	Eligible for Linkage ^{3,4}	Linked to 1999-2013 Medicare Administrative Data ⁵	Total Sample ⁶	Eligible Sample ⁷
NHIS 2002	93,386	68,994	12,772	13.7%	18.5%
<65	72,994	55,518	1,830	2.5%	3.3%
>=65	20,392	13,476	10,942	53.7%	81.2%
NHIS 2001	100,760	55,248	12,542	12.4%	22.7%
<65	78,290	43,329	1,813	2.3%	4.2%
>=65	22,470	11,919	10,729	47.7%	90.0%
NHIS 2000	100,618	57,954	13,392	13.3%	23.1%
<65	76,953	44,939	1,873	2.4%	4.2%
>=65	23,665	13,015	11,519	48.7%	88.5%
NHIS 1999	97,059	56,944	14,349	14.8%	25.2%
<65	72,991	42,970	1,921	2.6%	4.5%
>=65	24,068	13,974	12,428	51.6%	88.9%
NHIS 1998	98,785	59,699	16,069	16.3%	26.9%
<65	73,082	44,063	2,068	2.8%	4.7%
>=65	25,703	15,636	14,001	54.5%	89.5%
NHIS 1997	103,477	67,876	19,123	18.5%	28.2%
<65	75,850	48,980	2,426	3.2%	5.0%
>=65	27,627	18,896	16,697	60.4%	88.4%
NHIS 1996	63,402	44,662	13,040	20.6%	29.2%
<65	45,928	31,420	1,636	3.6%	5.2%
>=65	17,474	13,242	11,404	65.3%	86.1%
NHIS 1995	102,467	75,736	22,795	22.2%	30.1%
<65	72,681	52,032	2,689	3.7%	5.2%
>=65	29,786	23,704	20,106	67.5%	84.8%
NHIS 1994	116,179	86,882	27,671	23.8%	31.8%
<65	79,382	57,120	3,030	3.8%	5.3%
>=65	36,797	29,762	24,641	67.0%	82.8%
LSOA II⁸	9,447	7,520	5,859	62.0%	77.9%

¹Age is based on the survey participant's assumed age at the end of the linkage interval (December 31, 2013).

²For 2007-2013 NHIS, only Sample Adult and Sample Child participants are included in the NCHS-CMS Medicare linkage.

³Eligibility for linkage is based upon having sufficient personally identifiable information and/or not refusing to provide Social Security (SSN) or Medicare Health Insurance Claim (HIC) numbers.

⁴For 2007-2013 NHIS, refusal for data linkage is defined as not providing the last four digits of the SSN and a response of "No" to the follow up question to allow linkage without SSN.

⁵This group includes linkage-eligible survey participants who linked to Medicare administrative records at any time during the linkage interval (1999-2013).

⁶This percentage is calculated by dividing the number of linked survey participants by the number of participants in the total sample.

⁷This percentage is calculated by dividing the number of linked survey participants by the total number of linkage-eligible participants.

⁸All LSOA II participants were 70 years or older at time of interview.

**Table 2. Linked NCHS-CMS Medicare Data - Sample Sizes and Percentage Linked, by Survey and Age¹:
NHANES, NHANES III, and NHEFS**

	Sample size			Percent linked	
	Total Sample	Eligible for Linkage ^{2,3}	Linked to 1999-2013 Medicare Administrative Data ⁴	Total Sample ⁵	Eligible Sample ⁶
NHANES 2011-2012	9,756	6,946	1,183	12.1%	17.0%
<65	8,299	5,895	220	2.7%	3.7%
>=65	1,457	1,051	963	66.1%	91.6%
NHANES 2009-2010	10,537	7,662	1,575	14.9%	20.6%
<65	8,599	6,234	229	2.7%	3.7%
>=65	1,938	1,428	1,346	69.5%	94.3%
NHANES 2007-2008	10,149	7,862	1,831	18.0%	23.3%
<65	7,918	6,158	240	3.0%	3.9%
>=65	2,231	1,704	1,591	71.3%	93.4%
NHANES 2005-2006	10,348	8,616	1,485	14.4%	17.2%
<65	8,620	7,221	185	2.1%	2.6%
>=65	1,728	1,395	1,300	75.2%	93.2%
NHANES 2003-2004	10,122	9,086	2,071	20.5%	22.8%
<65	7,980	7,188	232	2.9%	3.2%
>=65	2,142	1,898	1,839	85.9%	96.9%
NHANES 2001-2002	11,039	9,875	2,159	19.6%	21.9%
<65	8,713	7,844	209	2.4%	2.7%
>=65	2,326	2,031	1,950	83.8%	96.0%
NHANES 1999-2000	9,965	8,219	2,035	20.4%	24.8%
<65	7,624	6,272	176	2.3%	2.8%
>=65	2,341	1,947	1,859	79.4%	95.5%
NHANES III	33,994	29,096	8,333	24.5%	28.6%
<65	23,572	18,913	905	3.8%	4.8%
>=65	10,422	10,183	7,428	71.3%	72.9%
NHEFS	14,407	13,445	7,094	49.2%	52.8%
<65	149	146	49	32.9%	33.6%
>=65	14,258	13,299	7,045	49.4%	53.0%

¹Age is based on the survey participant's assumed age at the end of the linkage interval (December 31, 2013).

²Eligibility for linkage is based upon having sufficient personally identifiable information and/or not refusing to provide Social Security (SSN) or Medicare Health Insurance Claim (HIC) numbers.

³For 1999-2012 NHANES, refusal for data linkage is defined as not providing an affirmative response to the linkage consent question.

⁴This group includes linkage-eligible survey participants who linked to Medicare administrative records at any time during the linkage interval (1999-2013).

⁵This percentage is calculated by dividing the number of linked survey participants by the number of participants in the total sample.

⁶This percentage is calculated by dividing the number of linked survey participants by the total number of linkage-eligible participants.

**Table 3. Linked NCHS-CMS Medicare Data - Sample Sizes and Percentage Linked, by Survey and Age¹:
NHHCS and NNHS**

	Sample size			Percent linked	
	Total Sample	Eligible for Linkage ²	Linked to 1999-2013 Medicare Administrative Data	Total Sample ⁴	Eligible Sample ⁵
NHHCS 2007	9,416	9,309	7,640	81.1%	82.1%
<65	1,668	1,660	696	41.7%	41.9%
>=65	7,748	7,649	6,944	89.6%	90.8%
NNHS 2004	13,507	13,387	12,782	94.6%	95.5%
<65	814	802	515	63.3%	64.2%
>=65	12,693	12,585	12,267	96.6%	97.5%

¹Age is based on the survey participant's assumed age at the end of the linkage interval (December 31, 2013).

²Eligibility for linkage is based upon having sufficient personally identifiable information and/or not refusing to provide Social Security (SSN) or Medicare Health Insurance Claim (HIC) numbers.

³This group includes linkage-eligible survey participants who linked to Medicare administrative records at any time during the linkage interval (1999-2013).

⁴This percentage is calculated by dividing the number of linked survey participants by the number of participants in the total sample.

⁵This percentage is calculated by dividing the number of linked survey participants by the total number of linkage-eligible participants.